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LOGINID:SSSPTA1626GMS

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TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page for STN Seminar Schedule - N. America  
NEWS 2 MAY 01 New CAS web site launched  
NEWS 3 MAY 08 CA/CAPplus Indian patent publication number format defined  
NEWS 4 MAY 14 RDISCLOSURE on STN Easy enhanced with new search and display fields  
NEWS 5 MAY 21 BIOSIS reloaded and enhanced with archival data  
NEWS 6 MAY 21 TOXCENTER enhanced with BIOSIS reload  
NEWS 7 MAY 21 CA/CAPplus enhanced with additional kind codes for German patents  
NEWS 8 MAY 22 CA/CAPplus enhanced with IPC reclassification in Japanese patents  
NEWS 9 JUN 27 CA/CAPplus enhanced with pre-1967 CAS Registry Numbers  
NEWS 10 JUN 29 STN Viewer now available  
NEWS 11 JUN 29 STN Express, Version 8.2, now available  
NEWS 12 JUL 02 LEMBASE coverage updated  
NEWS 13 JUL 02 LMEDLINE coverage updated  
NEWS 14 JUL 02 SCISEARCH enhanced with complete author names  
NEWS 15 JUL 02 CHEMCATS accession numbers revised  
NEWS 16 JUL 02 CA/CAPplus enhanced with utility model patents from China  
NEWS 17 JUL 16 CAPplus enhanced with French and German abstracts  
NEWS 18 JUL 18 CA/CAPplus patent coverage enhanced  
NEWS 19 JUL 26 USPATFULL/USPAT2 enhanced with IPC reclassification  
NEWS 20 JUL 30 USGENE now available on STN  
NEWS 21 AUG 06 CAS REGISTRY enhanced with new experimental property tags  
NEWS 22 AUG 06 BEILSTEIN updated with new compounds  
NEWS 23 AUG 06 FSTA enhanced with new thesaurus edition  
NEWS 24 AUG 13 CA/CAPplus enhanced with additional kind codes for granted patents  
NEWS 25 AUG 20 CA/CAPplus enhanced with CAS indexing in pre-1907 records  
NEWS 26 AUG 27 Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB  
NEWS 27 AUG 27 USPATOLD now available on STN  
NEWS 28 AUG 28 CAS REGISTRY enhanced with additional experimental spectral property data  
  
NEWS 29 SEP 07 STN AnaVist, Version 2.0, now available with Derwent World Patents Index  
NEWS 30 SEP 13 FORIS renamed to SOFIS  
NEWS 31 SEP 13 INPADOCDB: New SDI frequency MONTHLY available now  
  
NEWS EXPRESS 05 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 05 SEPTEMBER 2007.

10535513.trn

NEWS HOURS      STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN      Welcome Banner and News Items  
NEWS IPC8        For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 11:48:49 ON 16 SEP 2007

=>

Uploading

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

Do you want to switch to the Registry File?

Choice (Y/n):

Switching to the Registry File...

Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> FILE REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 11:48:59 ON 16 SEP 2007

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STRUCTURE FILE UPDATES: 14 SEP 2007 HIGHEST RN 947298-73-9

DICTIONARY FILE UPDATES: 14 SEP 2007 HIGHEST RN 947298-73-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when conducting SmartSELECT searches.

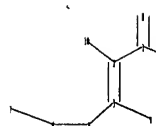
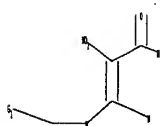
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

10535513.trn

Uploading C:\Program Files\Stnexp\Queries\10535513.str



chain nodes :

1 2 3 4 5 6 7 8 9 10

chain bonds :

1-2 1-8 1-9 2-3 2-10 3-4 3-5 5-6 6-7

exact/norm bonds :

1-8 3-4 3-5 5-6 6-7

exact bonds :

1-2 1-9 2-3 2-10

G1: Cy, Hy, Ph

Match level :

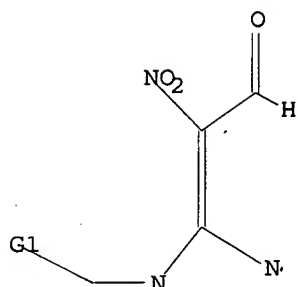
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS  
10:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 Cy,Hy,Ph

Structure attributes must be viewed using STN Express query preparation.

=&gt; s l1

SAMPLE SEARCH INITIATED 11:49:16 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 8 TO ITERATE

100.0% PROCESSED 8 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*\*COMPLETE\*\*

BATCH \*\*\*COMPLETE\*\*

PROJECTED ITERATIONS: 8 TO 329

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=&gt; s l1 sss full

FULL SEARCH INITIATED 11:49:22 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 160 TO ITERATE

100.0% PROCESSED 160 ITERATIONS

SEARCH TIME: 00.00.01

3 ANSWERS

L3 3 SEA SSS FUL L1

=&gt; FIL HCAPLUS

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

172.10

172.31

FILE 'HCAPLUS' ENTERED AT 11:49:28 ON 16 SEP 2007

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FILE COVERS 1907 - 16 Sep 2007 VOL 147 ISS 13  
FILE LAST UPDATED: 14 Sep 2007 (20070914/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3

L4 2 L3

=> d l4 ibib abs hitstr tot

L4 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2007:644247 HCAPLUS

DOCUMENT NUMBER: 147:25346

TITLE: Activity enhancement of neonicotinoid insecticides by ammonium or phosphonium compounds

INVENTOR(S): Jeschke, Peter; Nauen, Ralf; Pontzen, Rolf; Reckmann, Udo; Marczok, Peter; Fischer, Reiner; Velten, Robert; Arnold, Christian; Sanwald, Erich

PATENT ASSIGNEE(S): Bayer Cropscience A.-G., Germany

SOURCE: Ger. Offen., 22pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 102005059468	A1	20070614	DE 2005-102005059468	20051213
WO 2007068355	A1	20070621	WO 2006-EP11468	20061130

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: DE 2005-102005059468A 20051213

AB The insecticidal activity of inhibitors of nicotinergic acetylcholine receptors (for example neonicotinoids) is enhanced by addition of ammonium or phosphonium salts or quaternary ammonium salts and/or quaternary phosphonium salts. Penetration promoters, such as fatty alc. ethoxylates and mineral or vegetable oil esters, further enhance the activity.

IT 938069-26-2D, mixts. with (quaternary) ammonium or phosphonium salts

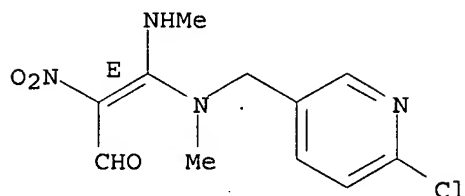
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(insecticides with enhanced activity)

RN 938069-26-2 HCAPLUS

CN 2-Propenal, 3-[[[6-chloro-3-pyridinyl)methyl]methylamino]-3-(methylamino)-

2-nitro-, (2E)- (CA INDEX NAME)

Double bond geometry as shown.



L4 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:565211 HCAPLUS

DOCUMENT NUMBER: 141:123567

TITLE: Preparation of chloropyridine derivatives as useful as pesticides

INVENTOR(S): Samaritoni, Jack Geno; Demeter, David Anthony; Benko, Zoltan Laszlo; Gifford, James Michael; Neese, Paul Allen; Dintenfass, Leonard Paul; Schmidt, Carrie Lynn Rau

PATENT ASSIGNEE(S): Dow Agrosciences LLC, USA

SOURCE: PCT Int. Appl., 24 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

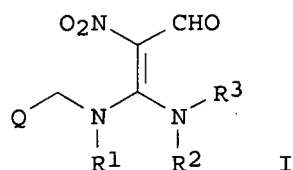
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004058714	A1	20040715	WO 2003-US40703	20031219
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003301162	A1	20040722	AU 2003-301162	20031219
EP 1572651	A1	20050914	EP 2003-814240	20031219
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
US 2006040902	A1	20060223	US 2005-535513	20050518
PRIORITY APPLN. INFO.:			US 2002-435929P	P 20021220
			WO 2003-US40703	W 20031219

OTHER SOURCE(S): MARPAT 141:123567

GI

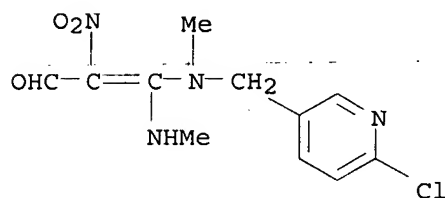


AB The title compds. I [Q = carbocyclyl or heterocyclyl, preferably chloropyridyl; R1 -R3 = H, OH, (cyclo)alkyl, (cyclo)alkenyl, aryl, heterocyclyl, etc.] are prepared as insecticides, acaricides and nematocides.

IT 721453-39-0P 721453-41-4P  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of chloropyridine derivs. useful as pesticides)

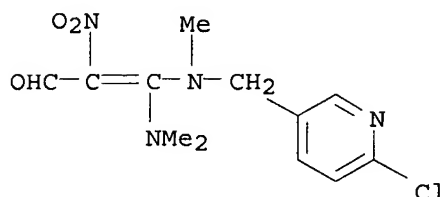
RN 721453-39-0 HCAPLUS

CN 2-Propenal, 3-[[[(6-chloro-3-pyridinyl)methyl]methylamino]-3-(methylamino)-2-nitro- (9CI) (CA INDEX NAME)



RN 721453-41-4 HCAPLUS

CN 2-Propenal, 3-[[[(6-chloro-3-pyridinyl)methyl]methylamino]-3-(dimethylamino)-2-nitro- (9CI) (CA INDEX NAME)



=> FIL REGISTRY  
 COST IN U.S. DOLLARS

SINCE FILE ENTRY	TOTAL SESSION
20.94	193.25

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE ENTRY	TOTAL SESSION
-1.56	-1.56

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STRUCTURE FILE UPDATES: 14 SEP 2007 HIGHEST RN 947298-73-9  
DICTIONARY FILE UPDATES: 14 SEP 2007 HIGHEST RN 947298-73-9

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TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

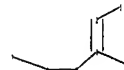
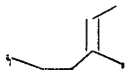
Please note that search-term pricing does apply when  
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REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

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chain nodes :  
1 2 3 4 5 6 7  
chain bonds :  
1-2 2-3 3-4 3-5 5-6 6-7  
exact/norm bonds :  
3-4 3-5 5-6 6-7  
exact bonds :  
1-2 2-3

G1: Cy, Hy, Ph

Match level :



10535513.trn

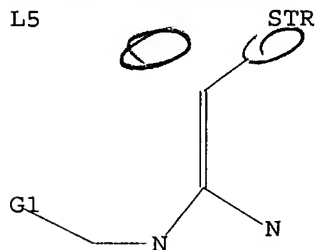
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS

L5 STRUCTURE UPLOADED

=> d 15

L5 HAS NO ANSWERS

L5



G1 Cy,Hy,Ph

Structure attributes must be viewed using STN Express query preparation.

=> s 15

SAMPLE SEARCH INITIATED 11:52:18 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 425 TO ITERATE

100.0% PROCESSED 425 ITERATIONS

15 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 7264 TO 9736

PROJECTED ANSWERS: 68 TO 532

L6 15 SEA SSS SAM L5

=> s 15 sss full

FULL SEARCH INITIATED 11:52:32 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 9477 TO ITERATE

100.0% PROCESSED 9477 ITERATIONS

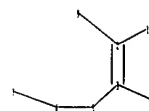
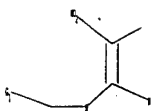
384 ANSWERS

SEARCH TIME: 00.00.01

L7 384 SEA SSS FUL L5

=>

Uploading C:\Program Files\Stnexp\Queries\10535513b.str



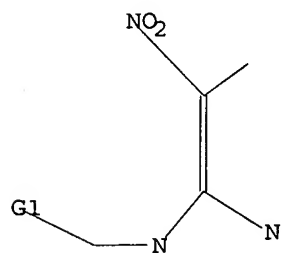
chain nodes :  
 1 2 3 4 5 6 7 9  
 chain bonds :  
 1-2 2-3 2-9 3-4 3-5 5-6 6-7  
 exact/norm bonds :  
 3-4 3-5 5-6 6-7  
 exact bonds :  
 1-2 2-3 2-9

G1: Cy, Hy, Ph

Match level :  
 1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 9:CLASS

L8 STRUCTURE UPLOADED

=> d 18  
 L8 HAS NO ANSWERS  
 L8 STR



G1 Cy, Hy, Ph

10535513.trn

Structure attributes must be viewed using STN Express query preparation.

=> s l8

SAMPLE SEARCH INITIATED 11:53:49 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 20 TO ITERATE

100.0% PROCESSED 20 ITERATIONS

7 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 132 TO 668

PROJECTED ANSWERS: 7 TO 298

L9 7 SEA SSS SAM L8

=> s l8 sss full

FULL SEARCH INITIATED 11:53:56 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 389 TO ITERATE

100.0% PROCESSED 389 ITERATIONS

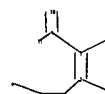
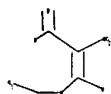
115 ANSWERS

SEARCH TIME: 00.00.01

L10 115 SEA SSS FUL L8

=>

Uploading C:\Program Files\Stnexp\Queries\10535513c.str



chain nodes :

1 2 3 4 5 6 8 9 10 11

chain bonds :

1-2 1-8 1-9 2-3 2-4 4-5 5-6 9-10 9-11

exact/norm bonds :

2-3 2-4 4-5 5-6 9-10

exact bonds :

1-2 1-8 1-9 9-11

G1: Cy, Hy, Ph

Match level :

10535513.trn

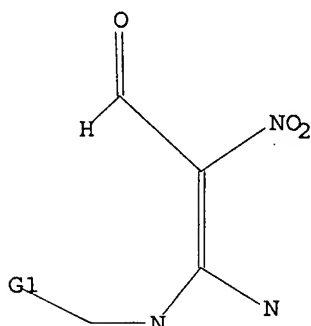
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 8:CLASS 9:CLASS 10:CLASS  
11:CLASS

L11 STRUCTURE UPLOADED

=> d l11

L11 HAS NO ANSWERS

L11 STR



G1 Cy,Hy,Ph

Structure attributes must be viewed using STN Express query preparation.

=> s l11

SAMPLE SEARCH INITIATED 11:56:13 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 8 TO ITERATE

100.0% PROCESSED 8 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 8 TO 329

PROJECTED ANSWERS: 0 TO 0

L12 0 SEA SSS SAM L11

=> s l11 sss full

FULL SEARCH INITIATED 11:56:20 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 160 TO ITERATE

100.0% PROCESSED 160 ITERATIONS

SEARCH TIME: 00.00.01

3 ANSWERS

L13 3 SEA SSS FUL L11

=> FIL HCAPLUS

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

518.10

711.35

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

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CA SUBSCRIBER PRICE

0.00

-1.56

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FILE COVERS 1907 - 16 Sep 2007 VOL 147 ISS 13  
FILE LAST UPDATED: 14 Sep 2007 (20070914/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his

(FILE 'HOME' ENTERED AT 11:48:49 ON 16 SEP 2007)

FILE 'REGISTRY' ENTERED AT 11:48:59 ON 16 SEP 2007

L1 STRUCTURE UPLOADED  
L2 0 S L1  
L3 3 S L1 SSS FULL

FILE 'HCAPLUS' ENTERED AT 11:49:28 ON 16 SEP 2007

L4 2 S L3

FILE 'REGISTRY' ENTERED AT 11:52:02 ON 16 SEP 2007

L5 STRUCTURE UPLOADED  
L6 15 S L5  
L7 384 S L5 SSS FULL  
L8 STRUCTURE UPLOADED  
L9 7 S L8  
L10 115 S L8 SSS FULL  
L11 STRUCTURE UPLOADED  
L12 0 S L11  
L13 3 S L11 SSS FULL

FILE 'HCAPLUS' ENTERED AT 11:56:24 ON 16 SEP 2007

=> s l13

L14 2 L13

=> s l10

L15 24 L10

=> s l15 and py<=2002

22889914 PY<=2002

L16 20 L15 AND PY<=2002

=&gt; s l16 and us/pc

1717082 US/PC

L17 2 L16 AND US/PC

=&gt; d l14 ibib abs hitstr tot

L14 ANSWER 1. OF 2 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2007:644247 HCAPLUS

DOCUMENT NUMBER: 147:25346

TITLE: Activity enhancement of neonicotinoid insecticides by ammonium or phosphonium compounds

INVENTOR(S): Jeschke, Peter; Nauen, Ralf; Pontzen, Rolf; Reckmann, Udo; Marczok, Peter; Fischer, Reiner; Velten, Robert; Arnold, Christian; Sanwald, Erich

PATENT ASSIGNEE(S): Bayer Cropscience A.-G., Germany

SOURCE: Ger. Offen., 22pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 102005059468	A1	20070614	DE 2005-102005059468	20051213
WO 2007068355	A1	20070621	WO 2006-EP11468	20061130

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: DE 2005-102005059468A 20051213

AB The insecticidal activity of inhibitors of nicotinergeric acetylcholine receptors (for example neonicotinoids) is enhanced by addition of ammonium or phosphonium salts or quaternary ammonium salts and/or quaternary phosphonium salts. Penetration promoters, such as fatty alc. ethoxylates and mineral or vegetable oil esters, further enhance the activity.

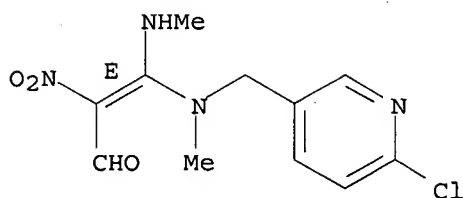
IT 938069-26-2D, mixts. with (quaternary) ammonium or phosphonium salts

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (insecticides with enhanced activity)

RN 938069-26-2 HCAPLUS

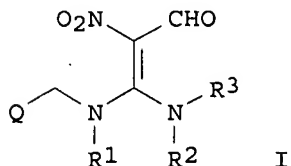
CN 2-Propenal, 3-[[[6-chloro-3-pyridinyl)methyl]methylamino]-3-(methylamino)-2-nitro-, (2E)- (CA INDEX NAME)

Double bond geometry as shown.



L14 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2004:565211 HCAPLUS  
 DOCUMENT NUMBER: 141:123567  
 TITLE: Preparation of chloropyridine derivatives as useful as pesticides  
 INVENTOR(S): Samaritoni, Jack Geno; Demeter, David Anthony; Benko, Zoltan Laszlo; Gifford, James Michael; Neese, Paul Allen; Dintenfass, Leonard Paul; Schmidt, Carrie Lynn Rau  
 PATENT ASSIGNEE(S): Dow Agrosiences LLC, USA  
 SOURCE: PCT Int. Appl., 24 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004058714	A1	20040715	WO 2003-US40703	20031219
W: AE, AG, AL, AM, AN, AR, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003301162	A1	20040722	AU 2003-301162	20031219
EP 1572651	A1	20050914	EP 2003-814240	20031219
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
US 2006040902	A1	20060223	US 2005-535513	20050518
PRIORITY APPLN. INFO.:			US 2002-435929P	P 20021220
			WO 2003-US40703	W 20031219
OTHER SOURCE(S):		MARPAT 141:123567		
GI				

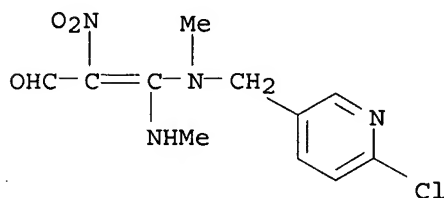


AB The title compds. I [Q = carbocyclyl or heterocyclyl, preferably chloropyridyl; R1 -R3 = H, OH, (cyclo)alkyl, (cyclo)alkenyl, aryl, heterocyclyl, etc.] are prepared as insecticides, acaricides and nematocides.

IT 721453-39-0P 721453-41-4P  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of chloropyridine derivs. useful as pesticides)

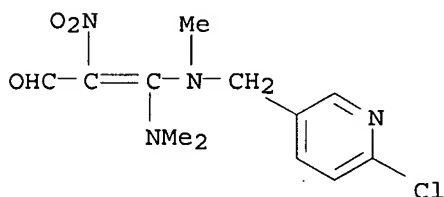
RN 721453-39-0 HCAPLUS

CN 2-Propenal, 3-[[[(6-chloro-3-pyridinyl)methyl]methylamino]-3-(methylamino)-2-nitro- (9CI) (CA INDEX NAME)



RN 721453-41-4 HCAPLUS

CN 2-Propenal, 3-[[[(6-chloro-3-pyridinyl)methyl]methylamino]-3-(dimethylamino)-2-nitro- (9CI) (CA INDEX NAME)



=> d l17 ibib abs hitstr tot

L17 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1991:164015 HCAPLUS

DOCUMENT NUMBER: 114:164015

TITLE: Preparations of (pyridylalkyl)diaminoethylenes as insecticides

INVENTOR(S): Uneme, Hideki; Minamida, Isao; Okauchi, Tetsuo

PATENT ASSIGNEE(S): Takeda Chemical Industries, Ltd., Japan

SOURCE: Eur. Pat. Appl., 23 pp.  
 CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

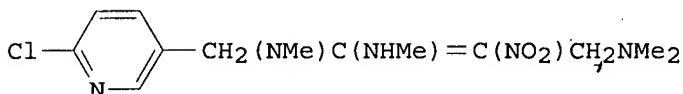
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 392560	A2	19901017	EP 1990-107120	19900412 <--
EP 392560	A3	19920108		

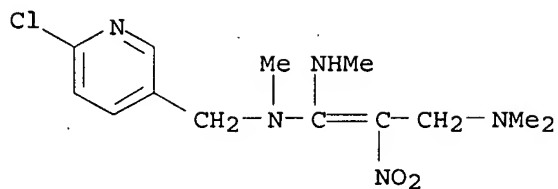


EP 392560 B1 19951227  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE  
 IL 94027 A 19950315 IL 1990-94027 19900406 <--  
 BR 9001734 A 19910604 BR 1990-1734 19900411 <--  
 JP 03169861 A 19910723 JP 1990-97363 19900411 <--  
 IN 170550 A1 19920411 IN 1990-MA269 19900411 <--  
 CA 2014490 A1 19901014 CA 1990-2014490 19900412 <--  
 CA 2014490 C 19991207  
US 5438065 A 19950801 US 1990-507776 19900412 <--  
 AT 132139 T 19960115 AT 1990-107120 19900412 <--  
 ES 2081314 T3 19960301 ES 1990-107120 19900412 <--  
 HU 53780 A2 19901228 HU 1990-2438 19900413 <--  
 HU 207202 B 19930329  
 KR 180726 B1 19990320 KR 1990-5270 19900413 <--  
 CN 1046896 A 19901114 CN 1990-102111 19900414 <--  
 CN 1036112 B 19971015  
 PRIORITY APPLN. INFO.: JP 1989-95580 A 19890414  
 JP 1989-201980 A 19890802  
 OTHER SOURCE(S): CASREACT 114:164015; MARPAT 114:164015  
 GI



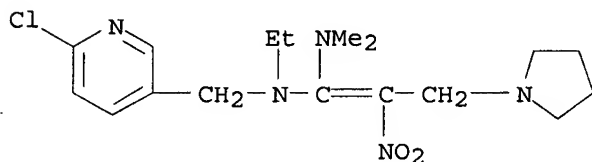
AB Title compds. R1(CH2)nNR2C(NR3R4):CXCHR5Y (R1 = (substituted) heterocyclyl; R2, R3, R4 = H, (substituted) hydrocarbyl, R3R4N = heterocyclyl; R5 = H, (substituted) hydrocarbyl, (substituted) heterocyclyl; X = electron attractant; Y = R6O, R6 = H, (substituted) hydrocarbyl, -heterocyclyl, (substituted) amino, etc.; n = 0, 1) or a salt thereof, are prepared 1-[N-(6-Chloro-3-pyridylmethyl)-N-methylamino]-1-(methylamino)-2-nitroethylene, aqueous CH2O, aqueous Me2NH and MeCN were stirred at room temperature for 8.5 h to give the pyridine derivative I. I at 500 and 100 ppm resulted in 100% mortality against Nilaparvata lugens and Aphis gossypii, resp.  
 IT 133077-59-5P 133077-60-8P 133077-61-9P  
 133077-62-0P 133077-63-1P 133077-64-2P  
 133077-66-4P 133077-67-5P 133077-69-7P  
 133077-70-0P 133077-71-1P 133077-72-2P  
 133077-73-3P 133077-74-4P 133077-75-5P  
 133077-76-6P 133077-77-7P 133077-78-8P  
 133077-79-9P 133077-80-2P 133077-82-4P  
 133077-83-5P 133077-85-7P 133077-86-8P  
 133077-87-9P 133077-88-0P 133077-89-1P  
 133077-90-4P 133105-15-4P  
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as insecticide)  
 RN 133077-59-5 HCAPLUS  
 CN 1-Propene-1,1,3-triamine, N1-[(6-chloro-3-pyridinyl)methyl]-N1,N1',N3,N3-tetramethyl-2-nitro- (9CI) (CA INDEX NAME)

10535513.trn



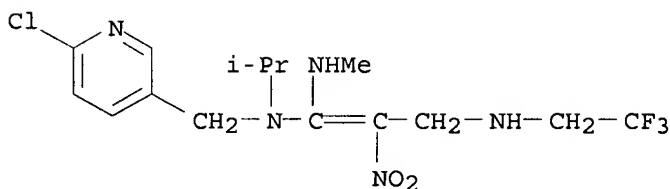
RN 133077-60-8 HCAPLUS

CN 1-Propene-1,1-diamine, N-[(6-chloro-3-pyridinyl)methyl]-N-ethyl-N',N'-dimethyl-2-nitro-3-(1-pyrrolidinyl)- (9CI) (CA INDEX NAME)



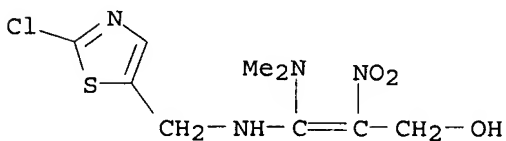
RN 133077-61-9 HCAPLUS

CN 1-Propene-1,1,3-triamine, N1-[(6-chloro-3-pyridinyl)methyl]-N1'-methyl-N1-(1-methylethyl)-2-nitro-N3-(2,2,2-trifluoroethyl)- (9CI) (CA INDEX NAME)



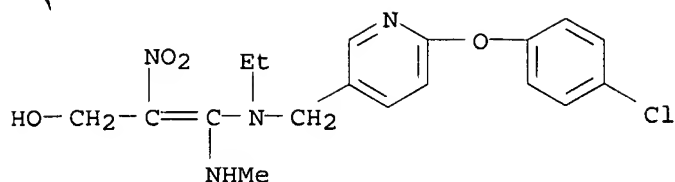
RN 133077-62-0 HCAPLUS

CN 2-Propen-1-ol, 3-[[[(2-chloro-5-thiazolyl)methyl]amino]-3-(dimethylamino)-2-nitro- (9CI) (CA INDEX NAME)



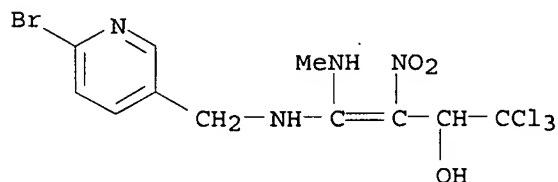
RN 133077-63-1 HCAPLUS

CN 2-Propen-1-ol, 3-[[[6-(4-chlorophenoxy)-3-pyridinyl]methyl]ethylamino]-3-(methylamino)-2-nitro- (9CI) (CA INDEX NAME)



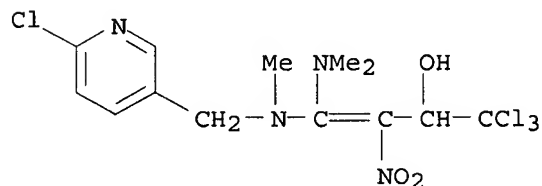
RN 133077-64-2 HCAPLUS

CN 3-Buten-2-ol, 4-[[[6-bromo-3-pyridinyl)methyl]amino]-1,1,1-trichloro-4-(methylamino)-3-nitro- (9CI) (CA INDEX NAME)



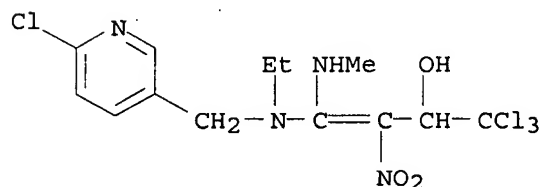
RN 133077-66-4 HCAPLUS

CN 3-Buten-2-ol, 1,1,1-trichloro-4-[[[6-chloro-3-pyridinyl)methyl]methylamino]-4-(dimethylamino)-3-nitro- (9CI) (CA INDEX NAME)



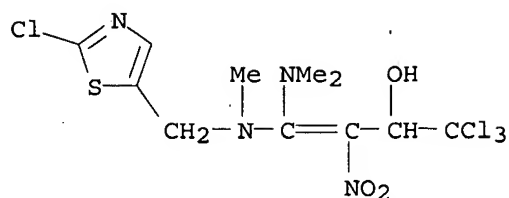
RN 133077-67-5 HCAPLUS

CN 3-Buten-2-ol, 1,1,1-trichloro-4-[[[6-chloro-3-pyridinyl)methyl]ethylamino]-4-(methylamino)-3-nitro- (9CI) (CA INDEX NAME)



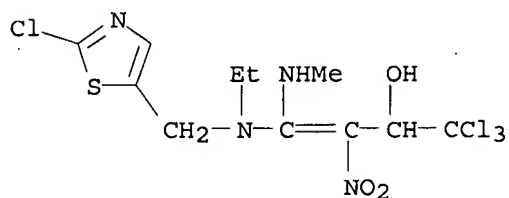
RN 133077-69-7 HCAPLUS

CN 3-Buten-2-ol, 1,1,1-trichloro-4-[[[2-chloro-5-thiazolyl)methyl]methylamino]-4-(dimethylamino)-3-nitro- (9CI) (CA INDEX NAME)



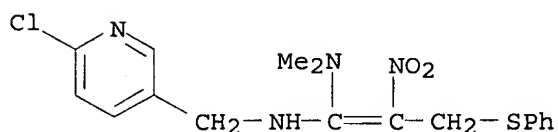
RN 133077-70-0 HCAPLUS

CN 3-Buten-2-ol, 1,1,1-trichloro-4-[[[(2-chloro-5-thiazolyl)methyl]ethylamino]-4-(methylamino)-3-nitro- (9CI) (CA INDEX NAME)



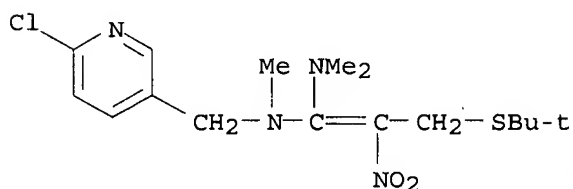
RN 133077-71-1 HCAPLUS

CN 1-Propene-1,1-diamine, N'-[(6-chloro-3-pyridinyl)methyl]-N,N-dimethyl-2-nitro-3-(phenylthio)- (9CI) (CA INDEX NAME)



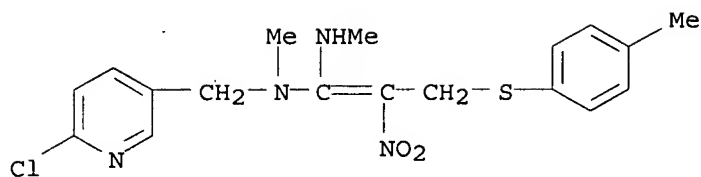
RN 133077-72-2 HCAPLUS

CN 1-Propene-1,1-diamine, N'-[(6-chloro-3-pyridinyl)methyl]-3-[(1,1-dimethylethyl)thio]-N,N',N'-trimethyl-2-nitro- (9CI) (CA INDEX NAME)



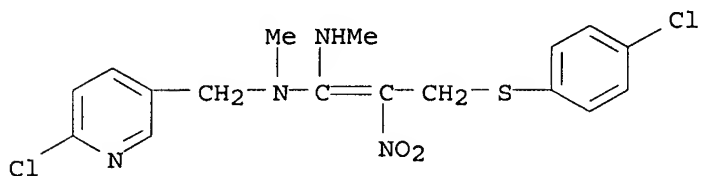
RN 133077-73-3 HCAPLUS

CN 1-Propene-1,1-diamine, N'-[(6-chloro-3-pyridinyl)methyl]-N,N'-dimethyl-3-[(4-methylphenyl)thio]-2-nitro- (9CI) (CA INDEX NAME)



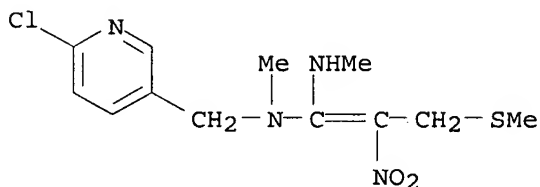
RN 133077-74-4 HCAPLUS

CN 1-Propene-1,1-diamine, 3-[(4-chlorophenyl)thio]-N-[(6-chloro-3-pyridinyl)methyl]-N,N'-dimethyl-2-nitro- (9CI) (CA INDEX NAME)



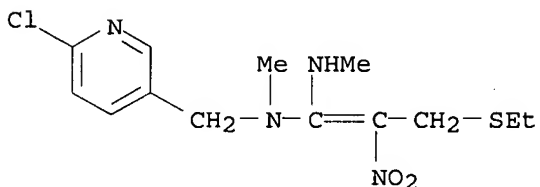
RN 133077-75-5 HCAPLUS

CN 1-Propene-1,1-diamine, N-[(6-chloro-3-pyridinyl)methyl]-N,N'-dimethyl-3-(methylthio)-2-nitro- (9CI) (CA INDEX NAME)



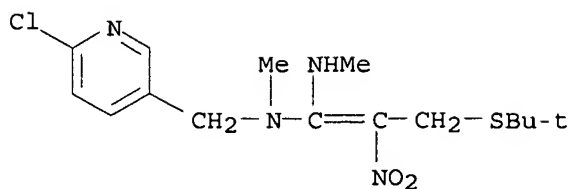
RN 133077-76-6 HCAPLUS

CN 1-Propene-1,1-diamine, N-[(6-chloro-3-pyridinyl)methyl]-3-(ethylthio)-N,N'-dimethyl-2-nitro- (9CI) (CA INDEX NAME)

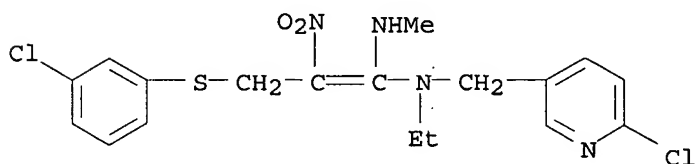


RN 133077-77-7 HCAPLUS

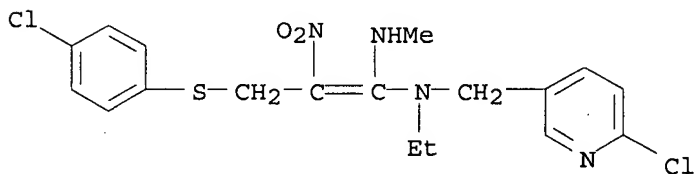
CN 1-Propene-1,1-diamine, N-[(6-chloro-3-pyridinyl)methyl]-3-[(1,1-dimethylethyl)thio]-N,N'-dimethyl-2-nitro- (9CI) (CA INDEX NAME)



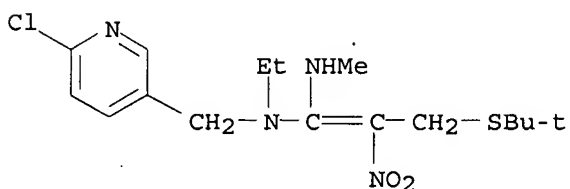
RN 133077-78-8 HCAPLUS  
 CN 1-Propene-1,1-diamine, 3-[(3-chlorophenyl)thio]-N-[(6-chloro-3-pyridinyl)methyl]-N-ethyl-N'-methyl-2-nitro- (9CI) (CA INDEX NAME)



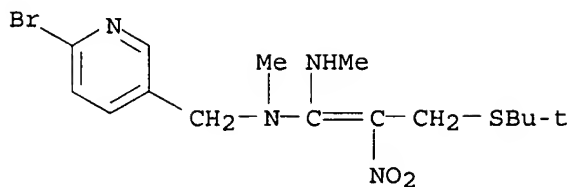
RN 133077-79-9 HCAPLUS  
 CN 1-Propene-1,1-diamine, 3-[(4-chlorophenyl)thio]-N-[(6-chloro-3-pyridinyl)methyl]-N-ethyl-N'-methyl-2-nitro- (9CI) (CA INDEX NAME)



RN 133077-80-2 HCAPLUS  
 CN 1-Propene-1,1-diamine, N-[(6-chloro-3-pyridinyl)methyl]-3-[(1,1-dimethylethyl)thio]-N-ethyl-N'-methyl-2-nitro- (9CI) (CA INDEX NAME)

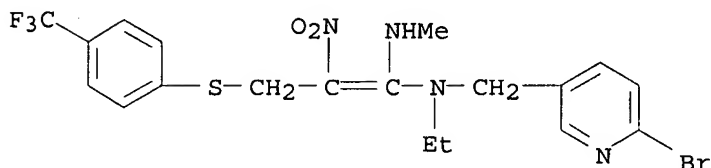


RN 133077-82-4 HCAPLUS  
 CN 1-Propene-1,1-diamine, N-[(6-bromo-3-pyridinyl)methyl]-3-[(1,1-dimethylethyl)thio]-N,N'-dimethyl-2-nitro- (9CI) (CA INDEX NAME)



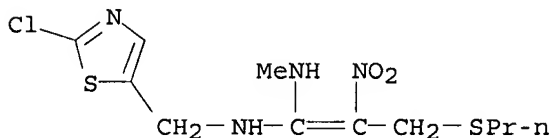
RN 133077-83-5 HCAPLUS

CN 1-Propene-1,1-diamine, N-[(6-bromo-3-pyridinyl)methyl]-N-ethyl-N'-methyl-2-nitro-3-[[4-(trifluoromethyl)phenyl]thio]- (9CI) (CA INDEX NAME)



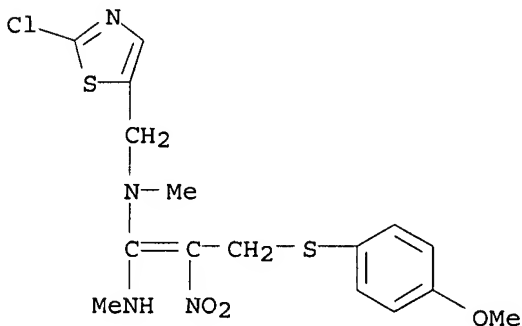
RN 133077-85-7 HCAPLUS

CN 1-Propene-1,1-diamine, N-[(2-chloro-5-thiazolyl)methyl]-N'-methyl-2-nitro-3-(propylthio)- (9CI) (CA INDEX NAME)



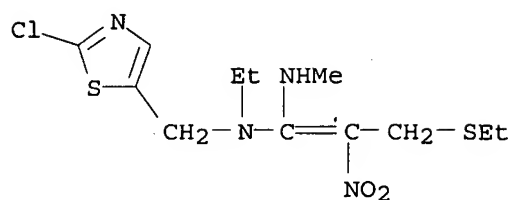
RN 133077-86-8 HCAPLUS

CN 1-Propene-1,1-diamine, N-[(2-chloro-5-thiazolyl)methyl]-N,N'-dimethyl-2-nitro-3-[(4-methoxyphenyl)thio]- (9CI) (CA INDEX NAME)



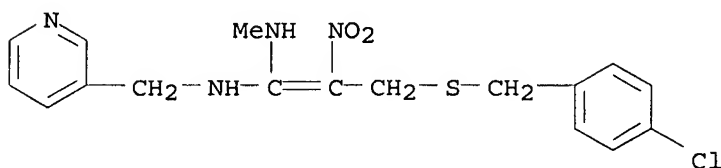
RN 133077-87-9 HCAPLUS

CN 1-Propene-1,1-diamine, N-[(2-chloro-5-thiazolyl)methyl]-N-ethyl-3-(ethylthio)-N'-methyl-2-nitro- (9CI) (CA INDEX NAME)



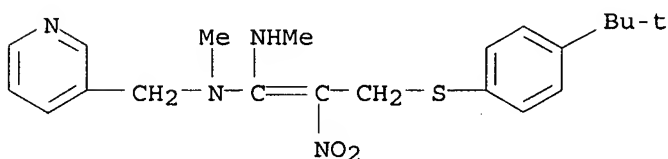
RN 133077-88-0 HCAPLUS

CN 1-Propene-1,1-diamine, 3-[[[4-chlorophenyl)methyl]thio]-N-methyl-2-nitro-N'-(3-pyridinylmethyl)- (9CI) (CA INDEX NAME)



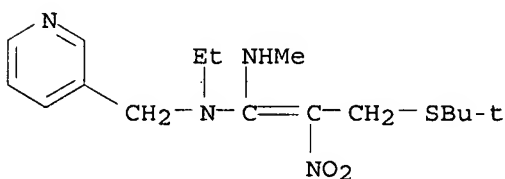
RN 133077-89-1 HCAPLUS

CN 1-Propene-1,1-diamine, 3-[[[4-(1,1-dimethylethyl)phenyl]thio]-N,N'-dimethyl-2-nitro-N-(3-pyridinylmethyl)- (9CI) (CA INDEX NAME)



RN 133077-90-4 HCAPLUS

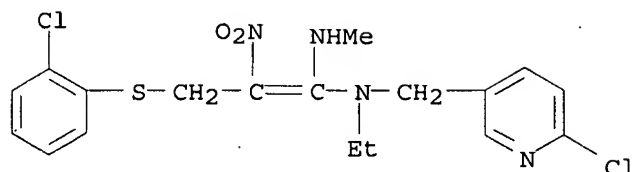
CN 1-Propene-1,1-diamine, 3-[(1,1-dimethylethyl)thio]-N-ethyl-N'-methyl-2-nitro-N-(3-pyridinylmethyl)- (9CI) (CA INDEX NAME)



RN 133105-15-4 HCAPLUS

CN 1-Propene-1,1-diamine, 3-[(2-chlorophenyl)thio]-N-[(6-chloro-3-pyridinyl)methyl]-N-ethyl-N'-methyl-2-nitro- (9CI) (CA INDEX NAME)





L17 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1989:231447 HCAPLUS

DOCUMENT NUMBER: 110:231447

TITLE: Alpha-unsaturated amines, particularly  
1,1-diamino-2-nitroethylene derivatives, their  
insecticidal/miticidal compositions, and processes for  
their preparation

INVENTOR(S): Minamida, Isao; Iwanaga, Koichi; Okauchi, Tetsuo

PATENT ASSIGNEE(S): Takeda Chemical Industries, Ltd., Japan

SOURCE: Eur. Pat. Appl., 118 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

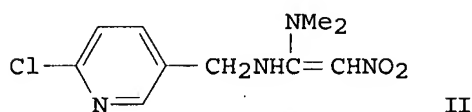
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 302389	A2	19890208	EP 1988-112210	19880728 <--
EP 302389	A3	19900131		
EP 302389	B1	19931222		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
IN 167709	A1	19901208	IN 1988-MA493	19880712 <--
EP 529680	A2	19930303	EP 1992-115873	19880720 <--
EP 529680	A3	19930714		
EP 529680	B1	19980513		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
EP 509559	A2	19921021	EP 1992-111470	19880728 <--
EP 509559	A3	19930630		
EP 509559	B1	20011004		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
IL 87250	A	19930610	IL 1988-87250	19880728 <--
AT 98955	T	19940115	AT 1988-112210	19880728 <--
ES 2061569	T3	19941216	ES 1988-112210	19880728 <--
IL 100688	A	19950831	IL 1988-100688	19880728 <--
AT 166051	T	19980515	AT 1992-115873	19880728 <--
US 5849768	A	19981215	US 1988-225367	19880728 <--
AT 206400	T	20011015	AT 1992-111470	19880728 <--
ES 2161212	T3	20011201	ES 1992-111470	19880728 <--
HU 53909	A2	19901228	HU 1988-4040	19880729 <--
HU 204496	B	19920128		
HU 205076	B	19920330	HU 1990-722	19880729 <--
CA 1340990	C	20000509	CA 1988-616738	19880729 <--
CA 1340991	C	20000516	CA 1988-573430	19880729 <--
CA 1341008	C	20000530	CA 1988-616737	19880729 <--
CN 1031079	A	19890215	CN 1988-104801	19880801 <--
CN 1027447	B	19950118		
JP 02000171	A	19900105	JP 1988-192383	19880801 <--
JP 07014916	B	19950222		
KR 9705908	B1	19970422	KR 1988-9848	19880801 <--

US 5175301	A	19921229	US 1989-406515	19890913 <--
IN 170790	A1	19920523	IN 1990-MA378	19900516 <--
US 5214152	A	19930525	US 1991-655072	19910214 <--
US 6407248	B1	20020618	US 1992-946542	19920917 <--
JP 05345760	A	19931227	JP 1993-8114	19930121 <--
JP 05345761	A	19931227	JP 1993-8115	19930121 <--
JP 05345774	A	19931227	JP 1993-8116	19930121 <--
JP 07049424	B	19950531		
KR 9711459	B1	19970711	KR 1993-14804	19930731 <--
KR 122856	B1	19971113	KR 1993-14803	19930731 <--
CN 1091737	A	19940907	CN 1993-114205	19931105 <--
CN 1083432	B	20020424		
CN 1093083	A	19941005	CN 1993-114206	19931105 <--
CN 1036649	B	19971210		
JP 07206820	A	19950808	JP 1994-254221	19940926 <--
JP 2551392	B2	19961106		
JP 07224036	A	19950822	JP 1994-254222	19940926 <--
JP 2551393	B2	19961106		
US 5935981	A	19990810	US 1997-957749	19971024 <--
<del>US 6124297</del>	A	20000926	US 1999-227538	19990111 <--

PRIORITY APPLN. INFO.:

JP 1987-192793	A	19870801
JP 1987-258856	A	19871013
JP 1988-16259	A	19880126
JP 1988-64885	A	19880317
IN 1988-MA493	A	19880712
EP 1988-112210	A	19880728
IL 1988-87250	A3	19880728
US 1988-225367	A3	19880728
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US 1997-957749	A3	19971024

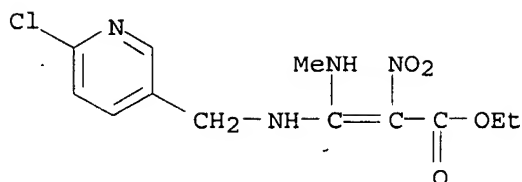
OTHER SOURCE(S): MARPAT 110:231447  
GI

AB Title compds. X1X2C:CR1NR2(CnH2n)A [I; 1 of X1 or X2 = electron-attracting group, other = H or electron-attracting group; R1 = group attached through a N atom; R2 = H, group attached through a C, N, or O atom; n = 0-2; A = heterocyclyl; R1 = (un)substituted NH2 when R2 = H] are prepared as insecticides and miticides. Aminolysis of (MeS)2C:CHNO2 by Me2NH in refluxing aqueous EtOH gave Me2N(MeS)C:CHNO2, which underwent a 2nd aminolysis by 6-chloro-3-pyridylmethylamine in refluxing EtOH to give [(chloropyridylmethyl)amino] (dimethylamino)nitroethylene II. At 500 ppm (spray) on rice seedlings, II gave 100% mortality of larval Nilaparvata lugens in 7 days.

IT 120739-44-8P 120739-45-9P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of, as insecticide and miticide)

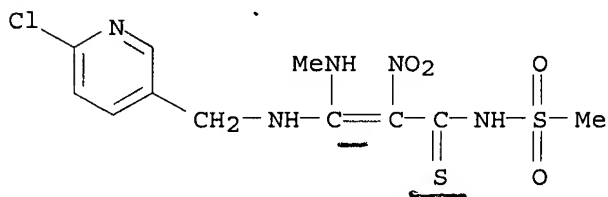
RN 120739-44-8 HCAPLUS

CN 2-Propenoic acid, 3-[[[(6-chloro-3-pyridinyl)methyl]amino]-3-(methylamino)-2-nitro-, ethyl ester (9CI) (CA INDEX NAME)



RN 120739-45-9 HCAPLUS

CN 2-Propenethioamide, 3-[[[6-chloro-3-pyridinyl)methyl]amino]-3-(methylamino)-N-(methylsulfonyl)-2-nitro- (9CI) (CA INDEX NAME)



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L16 ANSWER 1 OF 20 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2000:353382 HCAPLUS

DOCUMENT NUMBER: 133:120070

TITLE: Synthesis of trichloronitrodienamino adamantane derivatives

AUTHOR(S): Vashkevich, E. V.; Kozlov, N. G.; Potkin, V. I.

CORPORATE SOURCE: Institute of Physical Organic Chemistry, National Academy of Sciences of Belarus, Minsk, 220072, Belarus

SOURCE: Russian Journal of Organic Chemistry (Translation of Zhurnal Organicheskoi Khimii) (1999), 35(12), 1773-1776

CODEN: RJOCEQ; ISSN: 1070-4280

PUBLISHER: MAIK Nauka/Interperiodica Publishing

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Vilsmeier-Haack reaction with (acetyl)adamantane gave 3-(1-adamantyl)-3-chloro-2-propenal which reacted with hydroxylamine to yield the corresponding oxime. The latter was reduced with metallic sodium in ethanol to 1-(1-adamantyl)-1-chloro-3-aminopropene which treated with 1,1,2,4,4-pentachloro-3-nitro-1,3-butadiene to give N,N'-bis[1-(1-adamantyl)ethyl]-3,4,4-trichloro-2-nitro-1,3-butadiene-1,1-diamine. The latter was shown to possess antitumor activity in vitro. Similarly prepared was N,N'-bis[3-(1-adamantyl)-3-chloro-2-propenyl]-3,4,4-trichloro-2-nitro-1,3-butadiene-1,1-diamine.

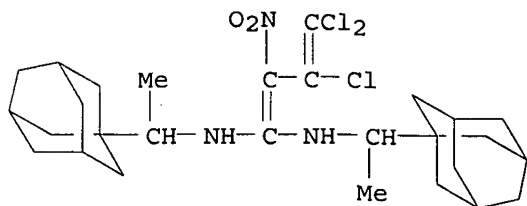
IT 286015-05-2P, N,N'-Bis[1-(1-adamantyl)ethyl]-3,4,4-trichloro-2-nitro-1,3-butadiene-1,1-diamine

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(preparation of chloro(nitro)bis[(adamantyl)alkyl]butadienediamines)

RN 286015-05-2 HCAPLUS

CN 1,3-Butadiene-1,1-diamine, 3,4,4-trichloro-2-nitro-N,N'-bis(1-

tricyclo[3.3.1.1<sup>3,7</sup>]dec-1-ylethyl)- (9CI) (CA INDEX NAME)

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 2 OF 20 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1999:49680 HCAPLUS

DOCUMENT NUMBER: 130:124730

TITLE: Desulfurization of 4-nitro-N,2-diphenyl-3-(phenylamino)isothiazol-5(2H)-imine. Formation of a 3-imino-2-nitroprop-2-enamidine

AUTHOR(S): Argilagos, Dally Moya; Kunz, Roland W.; Linden, Anthony; Heimgartner, Heinz

CORPORATE SOURCE: Organisch-Chemisches Institut, Universitaet Zurich, Zurich, CH-8057, Switz.

SOURCE: Helvetica Chimica Acta (1998), 81(12), 2388-2406

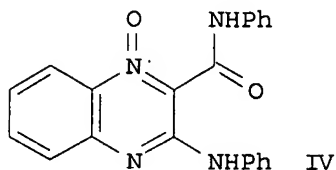
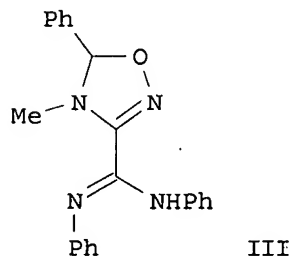
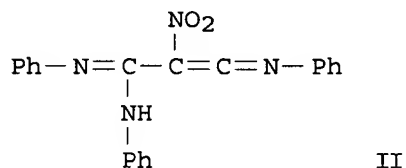
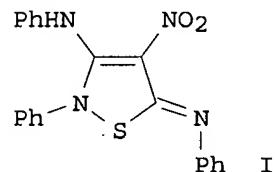
CODEN: HCACAV; ISSN: 0018-019X

PUBLISHER: Verlag Helvetica Chimica Acta AG

DOCUMENT TYPE: Journal

LANGUAGE: English

GI



AB The course of the desulfurization reaction of 4-nitro-N,2-diphenyl-3-(phenylamino)isothiazol-5(2H)-imine (I) was investigated and the formation of the unstable 3-imino-2-nitroprop-2-enamidine (II) as intermediate is discussed. Addition of amines R<sub>2</sub>NH and thiophenol to the reaction mixture yielded the amidine derivs. (PhHN)2C:C(NO<sub>2</sub>)C(:NPh)NR<sub>2</sub> and the thioimide

(PhHN)2C:C(NO2)C(:NPh)SPh, resp., via nucleophilic addition of the resp. reagent to II. Benzoic acid and thiobenzoic acid afforded the amide (PhHN)(PhCONPh)C:C(NO2)CONHPh and the thioamide (PhHN)2C:C(NO2)CSNHPh, resp., as secondary products of the expected adducts. The presence of (benzylidene)(methyl)amine in the reaction mixture of the desulfurization of I led to the 1,2,4-oxadiazole derivative (III), together with the quinoxaline N-oxide (IV) as a minor product. Reaction mechanisms involving an intermediate ketene imine and participation of the NO2 group in the reaction leading to 1,2,4-oxadiazole III are proposed. Ab initio calcns. of model structures for the nitroketene imine were performed and the results correlated with the exptl. results. The structures of the thioamide and III were established by x-ray crystal-structure anal.

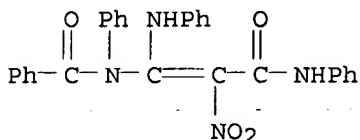
IT 219904-26-4P

RL: SPN (Synthetic preparation); PREP (Preparation)

(trapping and ab initio study of the desulfurization mechanism of 4-nitro-N,2-diphenyl-3-(phenylamino)isothiazol-5(2H)-imine involving formation of 3-imino-2-nitroprop-2-enamidinium intermediate)

RN 219904-26-4 HCAPLUS

CN Benzamide, N-[2-nitro-3-oxo-1,3-bis(phenylamino)-1-propenyl]-N-phenyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 56 THERE ARE 56 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 3 OF 20 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1997:151155 HCAPLUS

DOCUMENT NUMBER: 126:251101

TITLE: An unexpected isomerization of N-aryl-3-amino-4-nitroisothiazol-5(2H)-imines to 2-(benzothiazol-2-yl)-2-nitroethene-1,1-diamines

AUTHOR(S): Argilagos, Dally Moya; Garcia Trimino, Maria I.; Macias Cabrera, Arturo; Linden, Anthony; Heimgartner, Heinz

CORPORATE SOURCE: Organisch-Chemisches Institut, Universitaet Zuerich, Zurich, CH-8057, Switz.

SOURCE: Helvetica Chimica Acta (1997), 80(1), 273-292

CODEN: HCACAV; ISSN: 0018-019X

PUBLISHER: Verlag Helvetica Chimica Acta

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 126:251101

AB N-aryl-3-amino-4-nitroisothiazol-5(2H)-imines were prepared from 3,3-diamino-2-nitrothioacrylamides by treating with DEAD in DMF. In polar solvents, a spontaneous isomerization of some of the prepared isothiazol-5(2H)-imines gave benzothiazoles. In the case of 2-alkyl-substituted isothiazol-5(2H)-imines, the isomerization occurred only at higher temps. Electronic influences of different substituents on the isomerization rate were studied, and a polar reaction mechanism is proposed. The structures of a isothiazolimine and a benzothiazol-5-yl-nitroethenediamine were established by x-ray crystallog. Conformational anal. of 3-(methylamino)-2-nitro-N-phenyl-3-(pyrrolidin-1-

yl)thioacrylamide was performed to explain the distinct behavior of this amide towards Br<sub>2</sub> or DEAD.

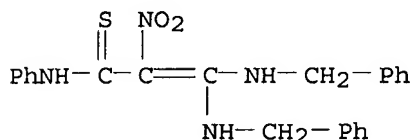
IT 175726-92-8

RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation of arylaminonitroisothiazolimines and isomerization to benzothiazoles)

RN 175726-92-8 HCAPLUS

CN 2-Propenethioamide, 2-nitro-N-phenyl-3,3-bis[(phenylmethyl)amino] - (CA INDEX NAME)



L16 ANSWER 4 OF 20 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1997:18075 HCAPLUS

DOCUMENT NUMBER: 126:59849

TITLE: Preparation of tetrahydrofuran derivatives as insecticides

INVENTOR(S): Oora, Takeshi; Nakaya, Michihiko; Oonuma, Kazutomi; Matsuo, Shingo; Kawahara, Nobuyuki

PATENT ASSIGNEE(S): Mitsui Toatsu Chemicals, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 22 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

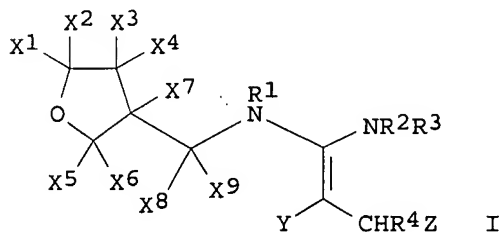
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08259553	A	19961008	JP 1995-64118	19950323 <--
PRIORITY APPLN. INFO.:			JP 1995-64118	19950323
OTHER SOURCE(S):	MARPAT	126:59849		

GI



AB The title compds. [I; X<sub>1</sub> - X<sub>9</sub> = H, C<sub>1</sub>-4 alkyl; R<sub>1</sub> = H, C<sub>1</sub>-5 alkyl, C<sub>2</sub>-6 alkoxyalkyl, C<sub>1</sub>-6 alkoxyalkyl, C<sub>1</sub>-6 cycloalkylcarbonyl, (un)substituted benzoyl; R<sub>2</sub>, R<sub>3</sub> = H, C<sub>1</sub>-5 alkyl, alkoxy, alkenyl, alkynyl; or R<sub>2</sub> and R<sub>3</sub> combine with an adjacent N to form a cycloamino; Y = electron withdrawing group; R<sub>4</sub> = H, C<sub>1</sub>-6 alkyl; Z = S(O)<sub>n</sub>R<sub>5</sub>, NR<sub>6</sub>R<sub>7</sub>; R<sub>5</sub> = (un)substituted alkyl, alkenyl, or alkynyl; n = 0-2; R<sub>6</sub>, R<sub>7</sub> = (un)substituted alkyl, alkenyl, or alkynyl; or R<sub>6</sub> and R<sub>7</sub> combine with an adjacent N to form a cycloamino] are

prepared Thus, 1-methylamino-1-(tetrahydro-3-furanyl)methylamino-2-nitroethylene was refluxed with formalin and HSCH<sub>2</sub>CO<sub>2</sub>Et in EtOH to give 39% I (X<sub>1</sub> - X<sub>9</sub> = R<sub>1</sub> = R<sub>2</sub> = R<sub>4</sub> = H, R<sub>3</sub> = Me, Y = NO<sub>2</sub>, Z = SCH<sub>2</sub>CO<sub>2</sub>Et) (II). II at 100 ppm killed 100% of *Laodelphax striatellus* and *Nephotettix cincticeps* vs. < 10% of reference compound

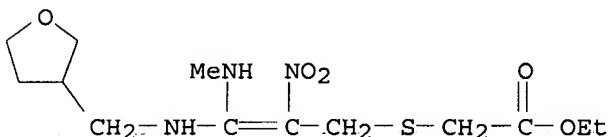
1-[(1'-methyl-3'-pyrrolidinyl)methyl]-  
1-methylamino-2-nitroethylene.

IT 184950-23-0P 184950-24-1P 184950-25-2P  
184950-26-3P 184950-27-4P 184950-28-5P  
184950-29-6P 184950-30-9P 184950-31-0P  
184950-32-1P 184950-33-2P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of tetrahydrofuranylmethylamine derivs. as insecticides)

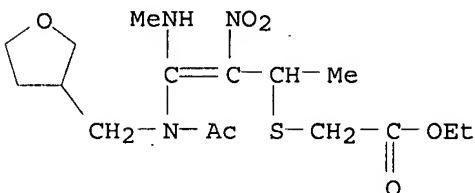
RN 184950-23-0 HCAPLUS

CN Acetic acid, [[3-(methylamino)-2-nitro-3-[[tetrahydro-3-furanyl)methyl]amino]-2-propenyl]thio]-, ethyl ester (9CI) (CA INDEX NAME)



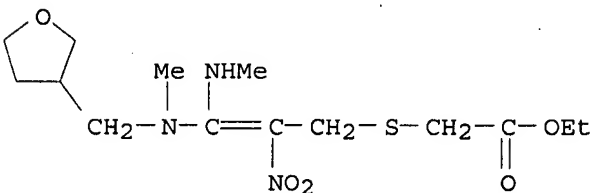
RN 184950-24-1 HCAPLUS

CN Acetic acid, [[3-[acetyl[(tetrahydro-3-furanyl)methyl]amino]-1-methyl-3-(methylamino)-2-nitro-2-propenyl]thio]-, ethyl ester (9CI) (CA INDEX NAME)



RN 184950-25-2 HCAPLUS

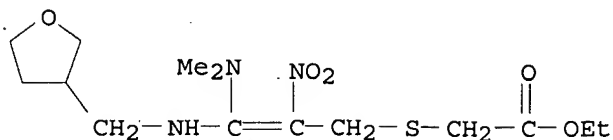
CN Acetic acid, [[3-(methylamino)-3-[methyl[(tetrahydro-3-furanyl)methyl]amino]-2-nitro-2-propenyl]thio]-, ethyl ester (9CI) (CA INDEX NAME)



RN 184950-26-3 HCAPLUS

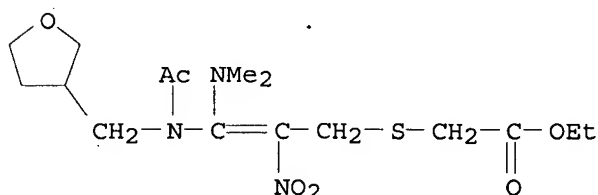
CN Acetic acid, [[3-(dimethylamino)-2-nitro-3-[[tetrahydro-3-

furanyl)methyl]amino]-2-propenyl]thio]-, ethyl ester (9CI) (CA INDEX NAME)



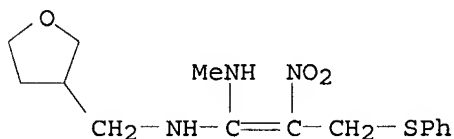
RN 184950-27-4 HCAPLUS

CN Acetic acid, [[3-[acetyl[(tetrahydro-3-furanyl)methyl]amino]-3-(dimethylamino)-2-nitro-2-propenyl]thio]-, ethyl ester (9CI) (CA INDEX NAME)



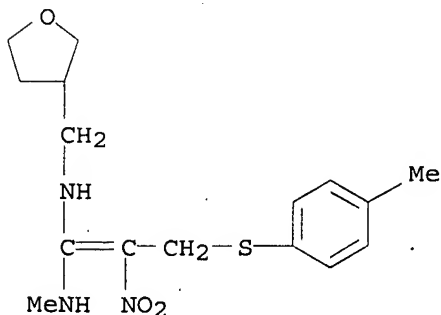
RN 184950-28-5 HCAPLUS

CN 1-Propene-1,1-diamine, N-methyl-2-nitro-3-(phenylthio)-N'-[(tetrahydro-3-furanyl)methyl]- (9CI) (CA INDEX NAME)



RN 184950-29-6 HCAPLUS

CN 1-Propene-1,1-diamine, N-methyl-3-[(4-methylphenyl)thio]-2-nitro-N'-[(tetrahydro-3-furanyl)methyl]- (9CI) (CA INDEX NAME)

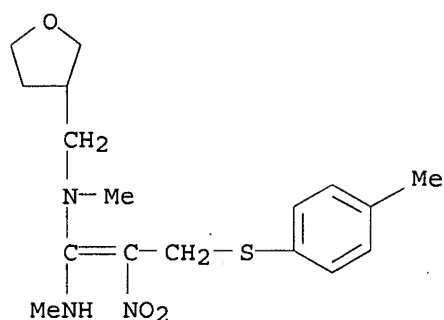


RN 184950-30-9 HCAPLUS

CN 1-Propene-1,1-diamine, N,N'-dimethyl-3-[(4-methylphenyl)thio]-2-nitro-N'-[(tetrahydro-3-furanyl)methyl]- (9CI) (CA INDEX NAME)

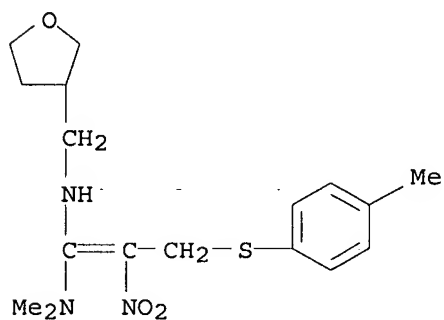


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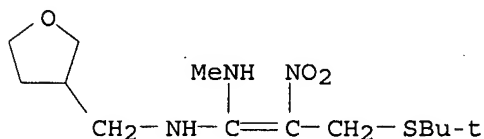
RN 184950-31-0 HCAPLUS

CN 1-Propene-1,1-diamine, N,N-dimethyl-3-[(4-methylphenyl)thio]-2-nitro-N'-[(tetrahydro-3-furanyl)methyl]- (9CI) (CA INDEX NAME)



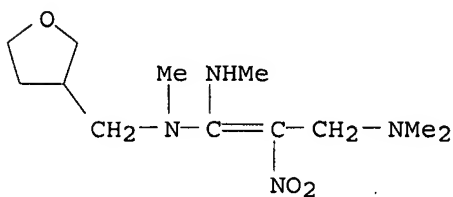
RN 184950-32-1 HCAPLUS

CN 1-Propene-1,1-diamine, 3-[(1,1-dimethylethyl)thio]-N-methyl-2-nitro-N'-[(tetrahydro-3-furanyl)methyl]- (9CI) (CA INDEX NAME)



RN 184950-33-2 HCAPLUS

CN 1-Propene-1,1,3-triamine, N1,N1',N3,N3-tetramethyl-2-nitro-N1-[(tetrahydro-3-furanyl)methyl]- (9CI) (CA INDEX NAME)



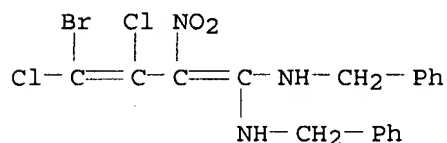
L16 ANSWER 5 OF 20 HCAPLUS COPYRIGHT 2007 ACS on STN

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Page 33

ACCESSION NUMBER: 1996:334710 HCAPLUS  
 DOCUMENT NUMBER: 125:113914  
 TITLE: Synthesis and some reactions of 4-bromo-2-nitro-1,1,3,4-tetrachloro-1,3-butadiene  
 AUTHOR(S): Potkin, V. I.; Gogolinskii, V. I.; Nechai, N. I.; Zapol'skii, V. A.; Kaberdin, R. V.  
 CORPORATE SOURCE: Inst. Fiz.-Org. Khim., Akad. Nauk Belarusi, Minsk, Belarus  
 SOURCE: Zhurnal Organicheskoi Khimii (1995), 31(12), 1816-1822  
 CODEN: ZORKAE; ISSN: 0514-7492  
 PUBLISHER: Nauka  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Russian  
 OTHER SOURCE(S): CASREACT 125:113914

AB The E and Z isomers of BrClC:CClCR:CCl2 (I, R = NO2) were prepared by nitration of I (E)- and (Z)-(R = H) with HNO3-H3PO4 or HNO3-H2SO4. The main byproduct was BrClC:CClCHO, which reacted with amines to give Schiff bases of 3,3-diamino-2-chloropropenals. Reaction of (E)-I (R = NO2) with amines gave BrClC:CClC(NO2):C(NRR1)2 (NRR1 = NHPh, NHCH2Ph, NHCMe3, NEt2, piperidino, morpholino, etc.). Also prepared was 3-MeC6H4NHCCl:CClC(NO2):C(NHC6H4Me-3)2.  
 IT 179049-17-3P  
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)  
 RN 179049-17-3 HCAPLUS  
 CN 1,3-Butadiene-1,1-diamine, 4-bromo-3,4-dichloro-2-nitro-N,N'-bis(phenylmethyl)- (CA INDEX NAME)



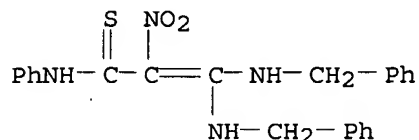
L16 ANSWER 6 OF 20 HCAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 1996:136331 HCAPLUS  
 DOCUMENT NUMBER: 124:288401  
 TITLE: Improved synthesis of 3,3-diamino-2-nitrothioacrylamides  
 AUTHOR(S): Moya Argilagos, D.; Macias, Cabrera, A.; Garcia Trimino, M. I.; Velez Castro, H.  
 CORPORATE SOURCE: Lab. Org. Chemistry, National Center Scientific Res., Havana, Cuba  
 SOURCE: Synthetic Communications (1996), 26(6), 1187-97  
 CODEN: SYNCAV; ISSN: 0039-7911  
 PUBLISHER: Dekker  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 124:288401  
 AB 3,3-Diamino-2-nitrothioacrylamides (R2R1N)2C:C(NO2)C(NHPh):S (NR1R2 = NHMe, NMe2, pyrrolo, morpholino, piperidino, NHPh, etc.) were obtained in high yields and short reaction times by the use of acetone as solvent in the reaction of nitroketenamines (R2R1N)2C:CHNO2 with PhNCS.  
 IT 175726-92-8P 175726-97-3P  
 RL: SPN (Synthetic preparation); PREP (Preparation)

10535513.trn

(preparation of diaminonitrothioacrylamides)

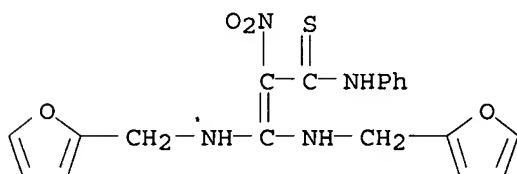
RN 175726-92-8 HCAPLUS

CN 2-Propenethioamide, 2-nitro-N-phenyl-3,3-bis[(phenylmethyl)amino] - (CA INDEX NAME)



RN 175726-97-3 HCAPLUS

CN 2-Propenethioamide, 3,3-bis[(2-furanylmethyl)amino]-2-nitro-N-phenyl- (9CI) (CA INDEX NAME)



L16 ANSWER 7 OF 20 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1995:753022 HCAPLUS

DOCUMENT NUMBER: 123:313100

TITLE: Synthesis of polyhalobutadienes and their functional derivatives from 1,2-dichloroethylene dimer

AUTHOR(S): Zapol'skii, V. A.; Potkin, V. I.; Kaberdin, R. V.

CORPORATE SOURCE: Inst. Fiz.-Org. Khim., Minsk, Belarus

SOURCE: Zhurnal Organicheskoi Khimii (1994), 30(9), 1368-78

CODEN: ZORKAE; ISSN: 0514-7492

PUBLISHER: Nauka

DOCUMENT TYPE: Journal

LANGUAGE: Russian

OTHER SOURCE(S): CASREACT 123:313100

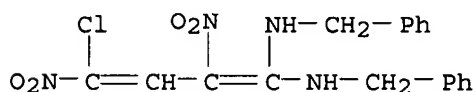
AB Synthesis and reactions of 1,3-dinitro-1,4,4-trichloro-1,3-butadiene (I) with amines, thiols, benzotriazole and O,N- and N,N-bifunctional nucleophiles is described. Nucleophilic vinylic substitution of I affords products of substitution of a chlorine atom as well as nitro group.

IT 160822-30-0P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (synthesis of polyhalobutadienes and their functional derivs. from 1,3,4,4-tetrachloro-1-butene)

RN 160822-30-0 HCAPLUS

CN 1,3-Butadiene-1,1-diamine, 4-chloro-2,4-dinitro-N,N'-bis(phenylmethyl) - (CA INDEX NAME)



IT 170162-07-9P 170167-83-6P

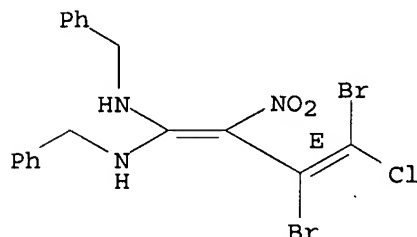
10535513.trn

RL: SPN (Synthetic preparation); PREP (Preparation)  
(synthesis of polyhalobutadienes and their functional derivs. from  
1,3,4,4-tetrachloro-1-butene)

RN 170162-07-9 HCAPLUS

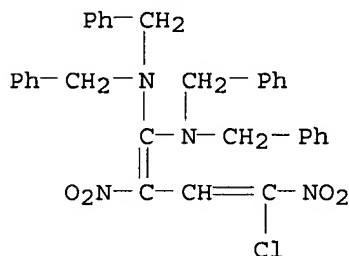
CN 1,3-Butadiene-1,1-diamine, 3,4-dibromo-4-chloro-2-nitro-N,N'-  
bis(phenylmethyl)-, (3E)- (CA INDEX NAME)

Double bond geometry as shown.



RN 170167-83-6 HCAPLUS

CN 1,3-Butadiene-1,1-diamine, 4-chloro-2,4-dinitro-N,N,N',N'-  
tetrakis(phenylmethyl)- (9CI) (CA INDEX NAME)



L16 ANSWER 8 OF 20 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1995:698081 HCAPLUS

DOCUMENT NUMBER: 123:313088

TITLE: Bromination of 1-bromo-1,4,4-trichloro-1,3-butadiene  
and some transformations of the obtained reaction  
products

AUTHOR(S): Zapolskii, V. A.; Potkin, V. I.; Kaberdin, R. V.

CORPORATE SOURCE: Inst. Fiz.-Org. Khim., Minsk, Belarus

SOURCE: Zhurnal Organicheskoi Khimii (1994), 30(10),  
1452-7

CODEN: ZORKAE; ISSN: 0514-7492

PUBLISHER: Nauka

DOCUMENT TYPE: Journal

LANGUAGE: Russian

OTHER SOURCE(S): CASREACT 123:313088

AB Bromination of 1-bromo-1,4,4-trichloro-1,3-butadiene afforded a mixture of  
1,2- and 3,4-adducts (I and II). Dehydrobromination of I and II provided  
1,2-dibromo-1,4,4-trichloro- and 1,3-dibromo-1,4,4-trichloro-1,3-  
butadienes (III and IV). Nitration of E-isomer of III afforded  
(E)-2-nitro-3,4-dibromo-1,1,4-trichloro-1,3-butadiene V. Nucleophilic  
vinyllic substitution of V with m-toluidine, benzyl amine and morpholine is  
presented.

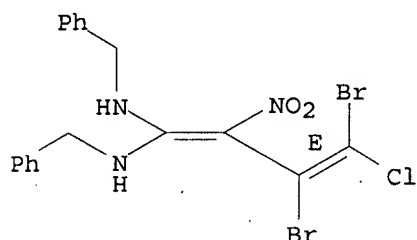
IT 170162-07-9P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(synthesis and reactions of pentahalo-1,3-butadienes)

RN 170162-07-9 HCAPLUS

CN 1,3-Butadiene-1,1-diamine, 3,4-dibromo-4-chloro-2-nitro-N,N'-bis(phenylmethyl)-, (3E)- (CA INDEX NAME)

Double bond geometry as shown.



L16 ANSWER 9 OF 20 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1995:298794 HCAPLUS

DOCUMENT NUMBER: 122:104963

TITLE: Synthesis of dinitro-substituted dienediamines from 1,3-dinitro-1,4,4-trichloro-1,3-butadiene

AUTHOR(S): Zaplosky, V. A.; Potkin, V. I.; Kaberdin, R. V.

CORPORATE SOURCE: Inst. Fiz. Org. Khim., Belarus

SOURCE: Vestsi Akademii Navuk Belarusi, Seryya Khimichnykh Navuk (1994), (3), 82-4

CODEN: VAKNEK; ISSN: 0002-3590

PUBLISHER: Navuka i Tekhnika

DOCUMENT TYPE: Journal

LANGUAGE: Russian

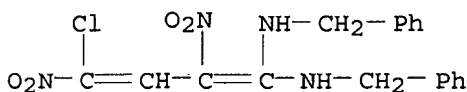
AB O2NCCl:CHC(NO2):CX2 (I; X = Cl) reacted with primary and secondary amines to give 7 corresponding I (X = NHCMe3, NHCH2Ph, NHPh, NHC6H4Me-m, 2,4-xylydino, piperidino, morpholino) in 55-75% yield.

IT 160822-30-0P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(synthesis of dinitro-substituted dienediamines from dinitrotrichlorobutadiene)

RN 160822-30-0 HCAPLUS

CN 1,3-Butadiene-1,1-diamine, 4-chloro-2,4-dinitro-N,N'-bis(phenylmethyl)- (CA INDEX NAME)



L16 ANSWER 10 OF 20 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1994:499814 HCAPLUS

DOCUMENT NUMBER: 121:99814

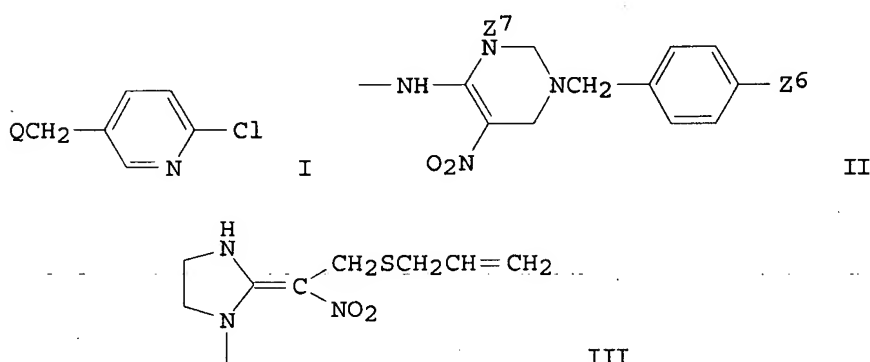
TITLE: Preparation of 2-chloro-5-pyridylmethylene compounds and platelet-activating factor antagonists containing them

INVENTOR(S): Sugi, Hideo; Koyanagi, Tooru; Odawara, Shinji; Okada, Hiroshi; Kimura, Hirohiko; Omatsu, Masato; Sasaki, Hiroshi

10535513.trn

PATENT ASSIGNEE(S): Ishihara Sangyo Kaisha, Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 17 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06087745	A	19940329	JP 1991-130807	19910320 <--
PRIORITY APPLN. INFO.:			JP 1991-130807	19910320
OTHER SOURCE(S):	MARPAT 121:99814			
GI				



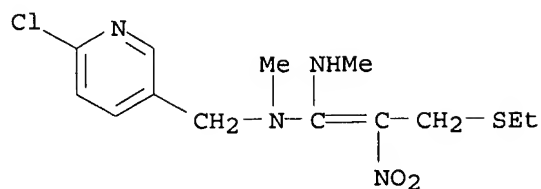
AB Platelet-activating factor antagonists contain the title compds. I [Q = NZ1C(NHZ2):C(NO2)CH2S(O)jX [Z1-2 = alkyl or Z1Z2 = CH2CH2; X = (un)substituted alkyl, (halo)phenyl, (halo)alkenyl, (halo)alkynyl, (halo)benzoyl, CH2SiR1R2R3 [R1-2 = alkyl; R3 = (un)substituted Ph, (un)substituted alkyl]; j = 0-2; when Z1 and Z2 form no ring, X = alkyl and j = 0]; NZ3C(NZ4Z5):NNO2 (Z3-4 = alkoxy carbonyl; Z5 = H, alkyl); II (Z6 = halo; R7 = alkyl)] or their salts as active ingredients. Treatment of 0.5 g 1-(6-chloro-3-pyridylmethyl)-2-nitromethyleneimidazolidine with 0.19 g aqueous HCHO solution (37%) and 0.22 g CH2:CHCH2SH under reflux for 2 h to give 0.33 g I (Q = III) (IV). Pretreatment of mice with IV at 100 mg/kg completely inhibited death from PAF-induced shock. A tablet containing IV 200, lactose 150, starch 30, and Mg stearate 6 mg was prepared

IT 133077-76-6  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
(PAF-antagonistic activity of)

RN 133077-76-6 HCAPLUS

CN 1-Propene-1,1-diamine, N-[(6-chloro-3-pyridinyl)methyl]-3-(ethylthio)-N,N'-dimethyl-2-nitro- (9CI) (CA INDEX NAME)

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

86.78

798.13

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-10.92

-12.48

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